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A B S T R A C T

One carcass ply (3) is formed by laying down on a toroidal support (11), a first and a second series of 5 sections (13, 14) which are alternated with each other and have side portions (13a, 14a) terminating on opposite sides relative to first primary portions of annular reinforcing structures (4) at the beads. A second ply (3a) is formed in the same manner as the first ply, with 10 a third and a fourth series of elongated sections (15, 16) overlapping second primary portions (4b) of the annular reinforcing structures (4) on opposite sides. The sections forming the first and second carcass plies (3a, 3b) are laid down in respective deposition planes (N, N') 15 parallelly offset on opposite sides relative to a meridian plane (P) of the toroidal support (11), and have mutually crossed side portions (13a, 14a, 15a, 16a) and radially disposed crown portions (13b, 14b, 15b, 16b). Additional portions (24) of the annular structures are 20 applied to the end flaps (20a) of the sections (14) belonging to the fourth series.

Fig. 1.

A METHOD FOR MANUFACTURING A CARCASS STRUCTURE FOR  
VEHICLE WHEEL TYRES AND A CARCASS STRUCTURE TO BE  
OBTAINED THEREBY